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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/646,468	08/20/2003	Michael D. Kobrech	DUR-105	8508
23570 7590 12/31/2007 PORTER WRIGHT MORRIS & ARTHUR, LLP INTELLECTUAL PROPERTY GROUP 41 SOUTH HIGH STREET 28TH FLOOR COLUMBUS, OH 43215			EXAMINER A, PHI DIEU TRAN	
			ART UNIT 3633	PAPER NUMBER
			MAIL DATE 12/31/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

# Office Action Summary

Application No.

10/646,468

Applicant(s)

KOBREHEL ET AL.

Examiner

Phi D. A

Art Unit

3633

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 31 October 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-12 and 15-17 is/are pending in the application.
- 4a) Of the above claim(s) 4-6 and 9 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3, 7-8, 10, 12, 15-17 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

***Continued Examination Under 37 CFR 1.114***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 10/31/07 has been entered.

***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-3, 7-8, 10-12, 16-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Anderson (5131194) in view of Cross et al (2258973) and Okawa et al (4055031).

Anderson (figures 1-3) shows a plastic glazing panel (acrylic) comprising a generally rectangular glazing panel of transparent plastic (11, 12) having top, bottom and side edges, a retainer frame (120), a seal assembling (13, 31) secured to the retainer frame and including sections of a perimeter channel forming a corresponding generally rectangular glazing opening, wherein sections of the channel each have a lip (figure 2, parts that extend beyond the frame 120) that together defining an opening, so as to retain the panel in the channel, wherein the retainer frame, said sections, and said glazing panels are sized and shaped and said glazing panel is sufficiently thin and flexible so that said glazing panel is able to be easily bowed so as to allow

opposite edges of the glazing panel to be drawn together sufficiently to be able to be passed by the lips of opposite sections of the perimeter channel and allow another edge of the glazing panel to be received in a receiving channel section extending along the glazing opening while the seal assembly is secured to the retainer frame, wherein the receiving channel section having a resiliently compressible element (81') disposed therein allowing sufficient movement upon pushing of another edge of the glazing panel thereagainst so that the glazing panel edge opposite the another glazing panel edge clears the lip of the opposite channel section allowing removal of the glazing panel, but thereafter upon release causes the glazing panel to be repositioned to locate the another edge of the panel at an intermediate depth in the receiving channel section, the element being a bow leaf spring disposed in the bottom of the receiving channel, the receiving channel section is at the bottom of the glazing opening, and further including a positioner element (81') selectively manipulatable to allow lowering of the glazing panel and thereafter hold the glazing panel another edge at an intermediate position in the channel section so that the opposite edge of the panel does not clear the lip of the channel section opposite the receiving channel section, the positioner element comprising a compressible element able to be compressed by pushing the panel another edge thereagainst, and thereafter the glazing panel is released moving the opposite edge of the glazing panel into the one channel section opposite the receiving channel section, a primary glazing panel (12) installed in the frame adjacent the glazing panel and aligned therewith but spaced to one side, the glazing panel being thinner and made of plastic to comprise a sacrificial glazing panel (inherently can be sacrificial panel), the glazing panel is sufficiently thin and flexible to enable insertion and removal of the glazing panel into and out of the channel sections without deforming the retainer frame (col 2 lines 1-4

discloses the pane being flexible; as the panes are flexible, they certainly can function as claimed when installed).

Anderson does not show the receiving channel section being deeper than an opposite channel section, the lip together does not define an opening smaller than that of the glazing opening and the panel.

Cross et al shows a receiving channel section (figure 9 the channel where part 8 is) being deeper than an opposite channel section to enable the easy and secured mounting of the glazing panel in the channels.

Okawa et al (figure 1-2) shows a seal assembly having a channel with a lip (19) of the sections of the perimeter channel together defining an opening smaller than that of the glazing opening and the panel.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Anderson's structure to show the receiving channel section being deeper than an opposite channel section because it would allow for the easy and secured mounting of the glazing panel in the channels as taught by Cross et al, and having the lips forming a channel smaller than that of the glazing opening and panel would enable the stable secured attachment of the glazing to the retainer frame as taught by Okawa et al.

Anderson as modified shows the receiving channel section being deeper than an opposite channel section so that upon insertion of said another edge of the glazing panel and movement towards the bottom of the receiving channel section, edge of the glazing panel opposite said another edge clears said lip of said opposite channel section which is shallower than said

receiving channels section to enable insertion and removal of the glazing panel into and out of the glazing opening while said channel sections remain within the retainer frame (see also column 4 lines 65-68 to column 5 lines 1-7; column 5 lines 60-68 further discloses that various components of the window may be disassembled in the event that repair or maintenance is required by simply reversing the steps; the components may be sold in either partially assembled form or in a kit application form; ....it is apparent that the window panes may be inserted into the respective recesses of the gasket....."Likewise, the gasket itself is inserted into an appropriate recess in a window frame by compression of the gasket and sliding into the recess...." which also means the panes have to be inserted into the gasket next).

Per claim 17, Anderson as modified further shows the lip forming the opposite channel section is angled so that the opposite channel section is wider at the lip opening than the glazing opening.

3. Claim 15 is rejected under 35 U.S.C. 103(a) as being unpatentable over Anderson (5131194) in view of Gasteuger (3720026) and Okawa et al (4055031).

Anderson (figures 1-3) shows a plastic glazing panel (acrylic) comprising a generally rectangular glazing panel of transparent plastic (11, 12) having top, bottom and side edges, a retainer frame (120), a seal assembling (13, 31) secured to the retainer frame and including sections of a perimeter channel forming a corresponding generally rectangular glazing opening, wherein sections of the channel each have a lip (the parts that extend outside of the frame) that together defining an opening, so as to retain the panel in the channel, wherein the retainer frame, said sections, and said glazing panels are sized and shaped and said glazing panel is sufficiently thin and flexible so that said glazing panel is able to be easily bowed so as to allow opposite

edges of the glazing panel to be drawn together sufficiently to be able to be passed by the lips of opposite sections of the perimeter channel and allow another edge of the glazing panel to be received in a receiving channel section extending along the glazing opening while the channel sections are within the retainer frame (inherently capable of functioning as claimed; also column 4 lines 65-68 to column 5 lines 1-7; column 5 lines 60-68 further discloses that various components of the window may be disassembled in the event that repair or maintenance is required by simply reversing the steps; the components may be sold in either partially assembled form or in a kit application form; ....it is apparent that the window panes may be inserted into the respective recesses of the gasket....."Likewise, the gasket itself is inserted into an appropriate recess in a window frame by compression of the gasket and sliding into the recess...." which also means the panes have to be inserted into the gasket next)

Anderson does not show the receiving channel section being deeper than an opposite channel section, the receiving channel section is at top of the glazing opening, and the bottom edge of the glazing panel rests on a bottom of the channel opposite the receiving channel, the lip together defining an opening smaller than that of the glazing opening and the panel.

Okawa et al (figure 1-2) shows a seal assembly having a channel with a lip (19) of the sections of the perimeter channel together defining an opening smaller than that of the glazing opening and the panel.

Gasteiger discloses receiving channel section (figure 2, channel with spring 40) being deeper than an opposite channel section (52), the receiving channel section is at top of the frame opening, and the bottom edge of the panel rests on a bottom of the opposite channel section.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Anderson's structure to show the receiving channel section being deeper than an opposite channel section, the receiving channel section is at top of the glazing opening, and the bottom edge of the glazing panel rests on a bottom of the opposite channel section because it would allow for the easy and secured mounting of the panel in the channels as taught by Gasteiger, and having the lips forming a channel smaller than that of the glazing opening and panel would enable the stable secured attachment of the glazing to the retainer frame as taught by Okawa et al.

#### ***Response to Arguments***

1. Applicant's arguments with respect to claims 1-3, 7-8, 10-12, 15-17 have been considered but are moot in view of the new ground(s) of rejection.

#### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The prior art shows window structures.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phi D A whose telephone number is 571-272-6864. The examiner can normally be reached on Monday-Thursday.

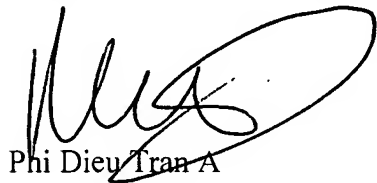
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Chilcot can be reached on 571-272-6777. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.



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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Phi Dieu Tran A

12/26/07